Established 1848.

ST. LOUIS, MO., WEDNESDAY, NOVEMBER 21, 1900.

Volume Lill., No. 47.

COLMAN'S RURAL WORLD

NORMAN J. COLMAN, EDITORS.

Published weekly at 721 Olive St., Rooms 1313, 1214, 1215 and 1216 Chemical Building, corner Olive and Eighth Sts., St. Louis, Mo., at one dollar a year. Eastern Office, Chalmer D. Colman, 520 Temple Court,

Chalmer D. Colman, 520 Temple Court, New York City. Letters should be addressed to COL-MAN'S RURAL WORLD, 721 Olive St., St. Louis, Mo. Advertising rates fur-nished on application. Advertisers will find the RURAL WORLD one of the best advertising mediums of its class in the United States.

NEW SUBSCRIBERS.

Every subscriber will confer a great favor by helping to add new subscribers his own the two can be had for only one and experiment station workers. Our normal schools are putting instruction in agriculture into their curricula that they low terms. Renewals, unless accompanied by a new subscriber, must be at one dolar each. See address tag on each number, and don't fail to send renewal before the month named closes, or name will drop from the list. Do the best you can for the best and cheapest weekly farmers' paper published.

THE SOIL in its relation to plant sprowth is carefully studied. Too much importance cannot be given to a knowledge of the phylical properties of soils, and the agricultural field. To the young man who is casting when have engage in farming, and may even have engage in farming, and may even have entered the ranks as an owner or renter of dollar, and he can add other NEW names

ED

tht in 81. over 3.000 RED. to 4 cts. Holland

t try the ng Pipe, ps made. for it, or UGB, 3000 moe: Any, Louis.

hysician. ouis. Mo

WIFE

oln. 111.

Ind., 1

ERY

We buy
amons
amons
dition, the
machin
sell with
Boilers
from \$3
m \$15 up
eral Sup

ES. AL

GE.

Most thor-men and Rnglish rable to tes. Day

St. Louis

S

ege. rithmetic.
-rooms in
for CirFellows

d Tele-uis, Mo., pursuits, and tele-able book-talogue of President

0 bearing e, Barn. life, good l. If you y, try the ere case, will earz m lands, e for so is

a. lows. ARM. orchard maschool: will sell Co., Mo. nas, write B. Land Mo. a., Nob.

or the heat and chaspest weekly farmer is paper published.

WILL IT FAY:

RURAL WORLD readers are fully cognizant of the fast that this page is a present of the interests of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of this land that we allow as well as the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the properties of the interest of the country in the interest of the country in the interest of the country in the properties of the interest of the in

is his life work, can and should do good. But it is equally as evident that self-interest must be considered, and one is perfectly justified in considering what will be to his own best good. Indeed, he who does well by himself does the world good; man's best, or worst, product is himself. The question, then, resolves itself into this "Will it pay me to spend time and money in getting an agricultural education?" By "agricultural education?" By "agricultural education?" By "agricultural education?" In this connection we mean the knowledge that is acquired by taking a systematic course of study in agriculture. If personal testimony is admissible, the writer, who is a graduate from the Missouri Agricultural College, can testify, in answer to the question, that it does pay, and pay well. And we want to remark right here that there has been such an improvement at the college in equipment and facilities for instruction since the time when we were a student there, that if it paid then to attend it ought to pay 200 per cent better now. There has been, too, during that period, a marked advance in agricultural science; the investigators have added very materially to the fund of information available to the teachers and these latter have acquired much greater skill as imparters of knowledge.

Then there is another and very distinct advantage that the young man of to-day who contemplates agriculture as a life work has over the young man of to-day who contemplates agriculture as a life work has over the young man of to-day who contemplates agriculture as a life work has over the young man of so and even 10 years ago. There is now a much higher and more general appreciation of the fact that farming is work that requires extended and systematised information, and a trained mind for its most successful conduct. This is apparent in the demand that is made on the leading agricultural colleges for graduates to take charge of creameries, cheese factories, dary herds, stock breeding herds, general farms and other lines of practical



STUDENTS AT WORK IN DAIRY.

THE SOIL in its relation to plant growth is carefully studied. Too much importance cannot be given to a knowledge of the physical properties of soils. Such questions as the loss of soil water due to evaporation during periods of drought, and the rendering of plant food now available, but accomplished by THE SOIL in its relation to plant growth is carefully studied. Too much importance cannot be given to a knowledge of the phyliscal properties of soils. Such questions as the loss of soil water due to evaporation during periods of drought, and the rendering of plant food now available, both accomplished by proper methods of tiliage, are of vital importance to the farmer. The causes of soil exhaustion are explained, and remedies for restoring fertility offered.

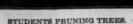
The growth, cultivation, harvesting and uses of each farm crop are discussed. Considerable attention is given to the new forage crops, such as rape, cow peas, etc.

ENTOMOLOGY.—Two courses are given in the subject of entomology, both of them being entirely economic and practical, and dealing only with the injurious and houseled farmer in the property of the methods and former in the subject of entomology, both of them being entirely economic and practical, and dealing only with the injurious and houseled farmer in the property of the methods and former in the subject of entomology, both of them being entirely economic and practical, and dealing only with the injurious and

matter and its conversion into the body of the plant itself; assimilation, conversion, transportation and storage of organic matter; the nature of the energy which lends titself to the performance of this work.

CHEMISTRY.—Soils, formation, classification and properties; the mineral constituents of plants and their bearing on plant growth; manures and fertilizers.

LECTURES ON SANITARY SCIENCE.—Farm hygiene, air, water, food, whole—formation in the orchards, grafting and propagating to the plants and the plants of plants and the plants of plants and the plants of plants of plants and the plants of plants THE COURT OF THE PARTY. -M.



During January Hon. L. A. Goodman, Secretary of the State Horticultural Society, and one of the most successful practical orchardists in the country, will lecture every morning upon orcharding in Missouri. He will tell that varieties of fruit are best adapted to the various soils and locations in the state; how to prepare the land, plant, prune, cultivate and manage the orchard; how to gather and market the fruit and many other details connected with successful fruit growing. In the afternoon practical instruction will be given in the orchards, vineyards and small fruit plantations of the experimental grounds. For instance, the class will go to the vineyard and each student will prune grape vines under Mr. Goodman's instruction until he can do the work rapidly and well. When this has been accomplished, pruning apple trees will be taken up and pursued every afternoon until each student is able to prune the trees of various ages from those to be transplanted to the old bearing trees. In this way peaches, pears, plums, cherries and small fruits are pruned and studied until a correct idea can be gained of how each should be managed. Lessons will also be given in studying varieties of apples, in grading and packing them for market, in building storage cellars and evaporators, etc.

LANDSCAPE GARDENING,—This sub-

tural subject, approved by the professor of horticulture, and a prize of \$15 for the second best.

ANIMAL HUSBANDRY.

ANIMAL HUSBANDRY.
STUDY OF BREEDS.—The present status of the live stock industry in America warrants the College in offering a thorough and complete course in animal husbandry. The work begins with a study of the history and characteristics of the breeds of live stock. Both the desirable and the undesirable qualities of a breed are pointed out and comparisons made, one breed with another.

STOCK JUDGING.—In connection with the class room work the students meet

the class room work the students meet the instructor at the farm barns where good specimens of cattle, sheep, horses good specimens of cattle, sheep, horses and swine are available for examination. Each student, with score card in hand, makes a study in detail of the animal in question and marks on the scale of 100 for perfection, whatever, in his estima-tion, the animal deserves in each partic-ular. The cards are signed and handed to the instructor, after which the good and bad points of the animal are openly dis-cussed. cussed.

After becoming familiar with the scor

After becoming familiar with the scoring of individuals, the student is given what is called competitive judging. Several animals of a given class are brought into the judging room and placed side by side, each distinguished by a number card. The student carefully examines each animal, makes his comparisons and ranks them, first, second, third, etc., according to his own judgment. He states his reasons for so ranking them, and hands in his report. After the reports are all in the instructor makes the awards and exthe instructor makes the awards and explains why he places one animal above

large number of steers being fed for exparts of the country, which are being in-noculated for Texas fever. There are also extensive feeding establishments near Co-



STUDENTS JUDGING STOCK.

in addition to this the course includes sufficient instruction in the diagnosis and treatment of disease, to enable the students in cases of emergency (and where competent veterinary advice cannot be had) to treat in a rational way the simple internal aliment, and to perform with some skill easy surgical operations. The following outline shows the subjects that are considered: The elementary anatomy and physiology of the domestic animals, hygiene of the domestic animals, and the modestic animals, hygiene different or the hygiene hygiene of the domestic animals, hygiene different or the hygiene hygiene different or the hygiene hygiene at the hygiene hygiene

cicks in foot, barbwire cuts, fistula, bad eth, etc. Also instruction in castration, aging and caponising.

Contagious, infectious and parasite discusses a strangets (distemper), glanders, so a strangets of the control of the contr

product, and one that will bring the high-est market price.
PRIZES IN DAIRYING.—The State Board of Agriculture offers a cash prize of \$25 to the student making the best sample of butter with an accompanying essay on buttermaking. A prize of \$15 is offered for the student ranking second.

mosphere will certainly penent any man whose environment has been differman whose environment has been difference and the churches in the city, and are also given opportunity to hear the many able pilotorn lecturers who come to Columbia. The collection of the churches who come to Columbia. The collection of the cher has been a demand for a production of the collection o

since it trains his judgment and enables him to make wise selections when purchasing farm animals, either for breeding stock or for feeding purposes. It also fits him for judging at the fairs and stock shows when called upon to do so.

PRIZES IN STOCK RAISING.—This within the student showing the greatest proficiency in stock judging, and another prize of \$15 to the student making the next best record. These prizes are offered by the Missouri Board of Agriculture and will, no doubt, be an incentive to very earnest and efficient work in stock judgings.

STOCK BREEDING.—The lectures on stock prediging cover such subjects as the stock of the student showing the in locating and laying out tile drains, and in locating and laying out tile drains, and in locating and laying out tile drains, who is the student showing the stock prediging cover such subjects as the stock prediging cover such subjects as the stock prediging cover such subjects as the stock of the students are given practice in drafting and laying out tile drains, and in locating and laying out tile drains, and in locating and laying out tile drains, who is the student of the students are given practice in drafting plans for farm buildings, and in and laying out tile drains, and in locating and laying out tile drains, which is the students are given practice in drafting plans for farm buildings, and in ways ready to assist new students in sending ways ready to assist new students on the province of the student and laying out tile drains, who is the student and the suppliances.

BEXPENSES OF THE COURSE.—The about its extending and the suppliances. FARM EQUIPMENT.—The farm, as well as any other the suppliances as the laying and the stable is consideration. The suppliances is to be attained and the construction of the only charge of any kind.

Good board and room, including all furn

VETERINARY CLINIC.

THE UNIVERSITY OF MISSOURI, COLUMBIA, MO.

lumbia where may be found excellent specimens of both fat cattle and feeders. The work in stock judging is of great practical value to the young farmer since it trains his judgment and enables

judging.
STOCK BREEDING.—The lectures on stock breeding cover such subjects as the laws of heredity, variation, selection, in- and in breeding, fecundity, atayism, etc. The great improvement that has been brought about in the different breeds has

soils, planting and testing seeds, transplanting, watering, ventilating of plants in the hot bed and the various phases of winter vegetable growing and starting early vegetables for transplanting to the open field.

Lectures will also be given upon fungous diseases and fungicides and practical exercises in mixing spraying mixtures and applying them. A good collection of spray pumps and other apparatus has been secured for this purpose, which will serve to show not only how the work is done, but what classes of pumps are best suited to the various phases of the work.

The horticultural library, including the leading farm and garden papers and other periodicals and a large collection of books upon horticultural topics will be available for reading and reference.

The State Horticultural Society offers a prize of \$35 to the short course student writing the best essay on some horticultural conditions. But

The Dairy.

OFFICE MISSOURI DAIRY ASSOCIA-Norman J. Colman, President; Lev

made for one week after the cow has been in milk for three months, that one week will give very closely the average in pounds of milk and butter with which on an average the cheese falls a trifle below the Northern and Eastern product.
This is due to the infancy of the industry
and the consequent lack of experience on
the part of some of the operators. Cheese
making is similar in many respects to
creamery butter making.

This is the best season of the year for
cheese making. The most active months
are September and October. This is because of the more favorable weather. Fall
made cheese can be stored and kept easily
until spring and the cooler weather creates a better demand. The market now is to multiply every other week of her entire season. The cow should be tested either

to the standard of the older se-

on an average the cheese falls a triffe be

ave no trouble in competing with the roduct of older sections. The ruling price n this market of Western cheese aver-

King's Evil

That is Scrofula. No disease is older.

No disease is really responsible for a larger mortality.

Consumption is commonly its outgrowth. There is no excuse ever for neglecting it, it makes its presence known by so many signs, among which are glandular tumors, cutaneous eruptions, inflamed evelids, sore ears, rickets, catarrh, wasting and general

made cheese can be stored and kept easily until spring and the cooler weather creates a better demand. The market now is in good condition. Kansas City dealers are having a very satisfactory trade in the Western cheese and are anxious to aid in promoting the industry. Kansas cheese making has hardly made the advance of late that Missouri has, although there are numerous big factories in the state that ship to Eastern markets and have no trouble in competing with the debility.

John Brearley, Potter Hill, R. I., had a large scrothous bunch" in his neck; the little son of Mrs. Minnie Spear, Parishville, N. Y., had a "large scrothous sore"; the little grandson of A. E. Withers, Longview, Ark., "had scrot ula very bad."

They were all cured, according to vol-untary testimonials, by ages about one cent under the quotations on Eastern and Northern offerings. Very frequently the quality is equal, but the average falls a little short, thus bringing the price down a trifle.—Kansas City Packer.

Hood's Sarsaparilla which has effected the most wonderful, radical and permanent cures of scrofula in old and young.

nilking for seven days. A composite ample should be made of each day's milk and the same tested at the end of the

cheese making in Missouri to assist in advancing the cause. They should be present to speak for the industry, to give and get information, and, if they are cheese makers, to exhibit some of their product. Let us hear from the Missouri Cheese Industry at the coming meeting.

TESTING COWS.

Short and Practical Method.

A great many farmers would like to know how much milk as well as butter their several cows have produced, apiece, for the year. But they do not feel like going to all the trouble and expense of a daily weighing and constant testing for butter fat to determine those facts, so they slip along and do nothing in that direction.

H. B. Gurler, of Illinois, the well-known author of American Dairying, suggests the following very easy, simple plan which he has tried:

He finds that if a test of the cow is made for one week after the cow has been in milk for three months, that one week will give very closely the average in the standard of the older sections, but on an average the close of the color of the standard of the older sections.

Two Big Pains

seem to be the heritage of the human family everywhere, vis:

Rheumatism

Neuralgia

but there is one sure and prompt cure for both, viz:

St. Jacobs Oil

naving looked with favor on butter

are half-tone engravings, have been used to illustrate the book. The binding is art canvas and there are 208 pages, 6x9 inch-es, printed on the finest enameled paper. es, printed on the finest enameled paper.
The price of this handsome volume is
only \$1.75 postpaid, and can be had by
sending a postoffice or express money order to the publisher, John W. Decker, 329
West Eighth Avenue, Columbus, Ohio.

FARM AT A BARGAIN IN THE OZARKS.

This farm consists of 140 acres of fertile

OZARKS.

This farm consists of 140 acres of fertile land, 100 acres cleared and in a high state of cultivation; balance in good timber, 30 acres sowed to wheat, 50 in meadow and pasture and balance in orchard, garden, lawn and nursery. Have about 30,000 young fruit trees in stock at present, and a good established aursery business.

Farm is well watered, all under good new fence, has new modern residence, three barns, tenant house, new, with four rooms, large poultry house, and all other necessary outbuildings. We are situated 137 miles from St. Louis, and two miles from city of Salem, Dent Co., Mo., one-half mile from school house, in model neighborhood and on a good railroad. This place would make a desirable home for either the man who wanted to run it himself or the city man who wants a summer home for his family and leave it in care of a tenant the remainder of the year. Land is free from incumbrance and title good. I would be glad to have parties desiring such a place come in person and see this home; would meet them in Salem and drive them out free of charge. We had bought and improved this farm with a view to spending the remainder of our days on it, and spared neither time nor money to make it a model home. But my health has falled so much within the last year, and having no sons to help in the work, I feel compelied to give it up. Frice, 14,000.

The count of the county of the

new revision has become necessary. With Cheddar, cheese making in this revision have been included the manufacture of five other kinds. An outline is as follows:
"The constitution, secretion and care of milk, the deportment of rennet, and the manufacture of Cheddar, Swiss brick. Limburger, Edam and cottage cheese."
Exactly 100 cuts, nearly half of which are half-tone engravings, have been used the others, but that there was more lean meat or muscle in the carcases. Corn had made fat, but not properly nourished the muscular portion of the body. Breaking the thigh bones of these pigs in the testing machine showed that the bones of the pigs getting skim milk were from one to three times as strong as those maintained exclusively on corn. The corn fed pigs were fat and flabby, with weak bones. ing the thigh bones of these pigs in the testing machine showed that the bones of the pigs getting skim milk were from one to three times as strong as those maintained exclusively on corn. The corn fed pigs were fat and flabby, with weak bones and pinched muscles; they were dwarfed in size. Those getting milk with the corn were growing to full size and had abundance of muscle or red meat and the best of bones.

THE CENSUS OF 1900.

A booklet giving the population of all cities of the United States of 25,000 and over according to the census of 1900, has just been issued by the passenger department of the Chicago, Milwaukee & St. Paul Rallway, and a copy of it may be obtained by sending your address, with two-cent stamp to pay postage, to the General Passenger Agent of the Chicago, Milwaukee & St. Paul Rallway, Chicago, Ill.

FEED MILL

WINCHESTER

"NEW RIVAL"
FACTORY LOADED SHOTGUN SHELLS No black powder shells on the market compare with the "NEW RIVAL" in uniformity and strong shooting qualities. Sure fire and waterproof. Get the granine.

WINCHESTER REPEATING ARMS CO., New Haven, Conn.

A JERSEY HERD In Northeast Miss

yler County, Mo., has a herd of s of which the Lancaster (Mo.)

with a mortgage. The Ladie
Home Journal and The Saturda
Evening Post seemed to offer
chance to accomplish somethin,
for the work, and I took the mai
ter to the Ladies 'Aid Society.
proposed that each member should

What this one woman did, thousands can do for their church for themselves. Write to THE CURTIS PUBLISHING COMPANY
PHILADELPHIA

Can Sell Your Farm

26 Bushel Baskets an Hour

TRIPLE GEARED MILL.

n. 414.85 and up. Send for free evin Smith Co., \$5-57 N. Jeffer

HEESEN BROS. & CO.

PROFIT FARM BOILER

Read "The Corn Belt," a handsome monthly paper, beautifully illustrated, containing exact and truthful information about farm lands in the West. Send a5 cents in postage stamps for a year's subscription to The Corn Bell., 200 Adams St., Chicago.

and hundreds of other jobs with the strength of 15 men. Most Convenient and useful power ever invented. Costs only TWO cents per hour to run. Especially adapted to farm work.

WATER-SHELLS CORN-

FEED-

BUTTER

St. Louis Portland, Ore.

IDEAL BOILER Steam Feed Cooker

HAVE YOU SEEN THE

Jack

of All

Trades?

Fairbanks Morse & Chicago

Company



usual "indicated" power.

They make a large line of heavy pumping machinery, air water lifts, stationary portable and traction gasoline engines.

Interested parties should correspon with the manufacturers, The Americal Works, Aurora, Ill., Chicago, Ill. Ballas, Texas.

SOUVENIR VIEWS EN ROUTE TO

We have just received from the Union We have just received from the Unior Pacific Anitroad a beautiful publication containing forty colored views of scenery between the Missouri River and California. This is ene of the most artistic publications ever issued by any railroad company. The same will be mailed free on receipt of 4 cents in stamps for postage, on application to J. P. Agiar, General Agent, 81 Louis Mo. 14 and 15 and 1 eral Agent, St. Louis Mo. It is well worth

THOUSANDS OF HAPPY HOMES.

If anyone contemplates a change

alogue giving full description.
They are made in all sizes.

M. E. Moore's Herd of Holstein-Friesian Cattle,

Cameron, Mo.
is offering some of the finest breed
e. Empress Josephine, Gerben, Farti
, De Kol. Netherland and Feteria,
Tor can get butter producers, m
and great price wincers. Official test
or, 18 27.100 lbs. at 5 years old 10 2
ged cows. in 7 days.

WANTED Salesmen for cigars; new plan, quiet sales, good business, big money.
CONSUMERS' CIGAR CO., 684 So. 7th-st., St. Louis

CREAMERY PACKAGE MFG. CO., 915 N. 6th St., St. Louis, Mo



BED-WETTING CURED. Sample FREE. Dr. Bloomington, 111

Horticulture.

ETY: 43d annual meeting at Farmn, Mo, Dec. 4-6, 1900. W. F. Murray,
n, Mó. President; L. A. Goodman,
is City, Mo., Secretary.
INOIS STATE HORTICULTURAL
III., Dec. II-13, 1900. W. at Char-

ILLINOIS STATE HORTICULTURAL LOCIETY; sith annual meeting at Champaign, Ill., Dec. II-12, 1990. H. M. Dunlap, Savoy. Ill., President; L. R. Bryant, Princeton, Ill., Secretary.

KANSAS STATE HORTICULTURAL LOCIETY; Mth annual meeting at Tope-ta, Kan., Dec. 27-29, 1990. Fred Wellhouse, Topeka, Kan., President; W. H. Barnes, Topeka, Kan., Secretary.

APPLE GROWERS IN SESSION.

The Mississippi Valley Apple Grower ssociation held a regular meeting in the

Of white or yellow ones, Orange King is the best, but light colored berries don't seem to take well in market. Caroline was The Mississippi Valley Apple Growers' Association held a regular meeting in the Chamber of Commerce rooms, Quincy, Ill., Nov. 15. The meeting was called to order at 10:20 in the morning by the president, Henry Clay Cupp, of Fall Creek. There was a good attendance from Adams and several adjoining counties. Most of the forenoon was given to an informal discussion of the best methods of planting that the Red Dutch and White grape have done well enough here.

not have omitted the Shaffer, which filled a place for a time, but it is not quite thardy here.

BLACKS.—In this class there have been many improvements. Davison's Thornless, Mlama, Mammoth Cluster, Gregs, and Souhegan all had their time. Now we have the Hopkins, Evans, Kansas, Gregs, and last, but by no means least, we have the Cumberland, the greatest of all. In sise, beauty, productiveness, hard, in this berny in Missouri, getting my plants from the originator, before this variety went out into the world at large. It was raised by a brother of mine in Pennsylvania.

Of white or yellow ones, Orange King is the best, but light colored berries don't. Handle a support the heavens instead, the greatest of the cream from the 17,000 barrels they could be found and promised to get the opportunity of the cream from the 17,000 barrels they could be found and promised to get the opportunity of the cream from the 17,000 barrels they could be found and promised to get the cream from the 15,000 barrels they could be found and promised to get the cream from the 15,000 barrels they could be found and promised to get the cream from the 15,000 barrels they could Hercules apparently acquiesced to this great World's Fair and Exposit program, but asked him to hold the heavprogram, but asked him to hold the heavens until he could place a cushion on his
shoulders. This seemed reasonable to the
unauspecting Atlas, who threw the treasures on the ground, grasped the globe,
and then Hercules gathered up the golden
apples, leaving Atlas in the same position he found him, which has moved the
great poet Hesiod to remark:

meeting many of my former
uniques associates and found

The state of the s

American Landon and La

We Can't Give Away Anythin

sition we want you to try our great medicine for Indigestion. Constipation, Biliousness, Headache, Insomnia, "the Blues," and like complaints—

We know you won't buy it, until you know something about it. The best way to get you to know how good it is, is to let you try it. That's what we do. Send Stamp for "Health" booklet, and we will send you a free sample package, that you may try it yourself. We know you will always keep it in the house, if you once try it. What fairer offer could we make? At all Druggists—10 and 25 cents.

Handsome FREE If, instead of sending for a sample, you send us 25c we will send you "Health" booklet, a 25c box and a handsome gold stick-pln, set with emerald, ruby or pearl, warranted to be worth double the money. Order bumber. This is an extra introductory offer. Only one pin to one person. If unsatisfactory, money returned. Rend now while the offer is soon. MODERN REMEDY COMPANY, KEWANEE, ILLINOIS.

Twice-a-Week Republic

Is the greatest and best of all newspapers. Its Telegraphic and Cable News Service excels that of any other paper. It prints the new news fully; not imaginative occurrences, but domestic and world-distant facts.

Congress

Will soon be in session and questions of paramount issue will be under discussion. Now is the time to subscribe for the best medium keeping in touch with the whole world. It is DEMOCRATIO in politics but distinctly a NEWSPAPER and Family

Remember

THE SUBSCRIPTION PRICE OF \$1.00 gives you two papers each week, 164 papers a year. It is printed every Monday and Thursday. Address all orders to

THE REPUBLIC, St. Louis, Mo.

"Invincible, Unsurpassable, Without a Peer,"

Writes a regular subscriber, who has read it for many years, of the Twice-a-Week issue of the

St. Louis Globe-Democrat

andthis is the unanmous verdict of its more than half a million readers. It is BEYOND ALL COMPARISON, the biggest, best and cheapest national news and family journal published in America. It is STRICTLY REPUBLICAN in politics, but t is above all A HEWSPAPER, and gives ALL THE NEWS promptly, accurately and impartially. IT is imdispensable to the Farmer, Merchant or Professional man who desires to keep thoroughly posted, but has not the time to read a large daily paper, while its great variety of well-selected reading matter makes it an UNVALU-ABLE HOME AND FAMILY PAPER.

Two Papers Every Week. Eight Pages Each Tuesday and Friday
One Deliar For One Year. Sample Copies Free.

GLOBE PRINTING GO.,
ST. LOUIS. MO
Rural World and Globe-Demosrat-Bither Address, Sl.25 Not.

Olympic Theatre, Century Theatre,

Broadway and Walnut Sts. Ninth and Olive Sts.

TWO LEADING THEATRES OF ST. LOUIS UNDER

ONE MANAGEMENT. THOROUGHLY UP-TO-DATE IN EVERY PARTICULAR.

ATTRACTIONS AT BOTH HOUSES. LATEST PLAYS. GREATEST COMPANIES. LEADING STARS.

P. SHORT, Manager.

Century Theatre, Ninth and Olive Sts.

Olympic Theatre. Broadway and Walnut Sts.

WHEAT. AMBER AND BEARDED.





Nov. 22 and 23.—Logan Chappeli. Mi Leonard, Mo. Walter Waddell and Thos Sawyer, Lexington, Mo. C. B. Smith and N. W. Leonard, Fayette, Mo. Here fords. Sale at Kansas City, Mo.

Nov. 23. → Berkshire Combination Sale a Kansas City. C. A. Stannard, Sec'y. Emporia, Kan.

Dec. 6-7.—American. Salloway Breeders Association. Galloways. Sale at Chi-cago. Dec. 11 and 12.-K. B. Armour and J. A. Funkhouser, at Kansas City, Mo. Here fords.

Dec. 13 and 14.-H. C. Duncan and Geo Bothwell, at Kansas City, Mo. Short

Jan. 11.—Dan Hollowell, Farmer City, Ill Jan. 19.-W. R. Loveless, Bellflower, Ill Poland-Chinas

Jan. 19.-Ed. Burroughs, El Paso, Ill

Jan. 22, 23, 24 and 25.—T. F. B. Sotham Chillicothe, Mo., and others, at Kansai City. Feb. 6-7-8.—Combination Galloway cattle

Feb. 6.-F. W. and O. B. Cain, Novinger Mo. Sale at Kansas City. Shorthorns Feb. 14.—Ed. Burroughs, El Paso, Ill. Po-land-Chinas.

land-Chinas.

March 5. 1901.—T. J. Wornell, Mosby, Mo.

Bhorthorns, Kansas City, Mo.

March 6.—Abe Reneck, Winchester, Ky.,
and E. K. Thomas, North Middletown,
Ky. Sale at Kansas City. Shorthorns. far. 27.-Combination Galloway cattle Chicago, Ill.

HEREFORD SALE DATES AT KANSAS CITY, MO.

fords. Simpson. Here-Feb. 7.—Steel Bros. and Eagle & Son. Herefords. Feb. 8.—N. F. 15-16.—Gudgell & Simpson. Here refords. 8.-N. E. Mosier and H. C. Taylor. Herefords.

Peb. 24-March 1.—C. A. Stannard and others. Herefords.
April 2-3.—Colin Cameron. Herefords.

Peb. 17-22.—Armour and others. Herefords.

PEDIGREE RECORD ASSOCIATION

The second meeting of the secretaries of Pedigree Record Associations will be held in Parlor O., Palmer House, Chicago Tuesday, at 7:30 p. m., December 4, 1900

as per adjournment.

At the meeting of secretaries held in Chicago, May 1, 1900, the following program was arranged for the December meeting and the gentlemen named were designated to prepare papers on the topics warred:

Exhibition of Stock, J. H. Pickrell, Secretary American Shorthorn Breeders' Association; Public Sale of Stock, Thomas McFarlane, Secretary American Aberdeen Angus Breeders' Association; Registration of Stock, Wm. M. McFadden, Secretary American Poland-China Association

tary American Poland-China Association; Exporting Live Stock, W. I. Buchanan, Director Pan-American Congress; Testing Daisy Breeds, C. M. Winslow, Secretary American Ayrshire Association.

The Director of the Twelfth Census has made the preliminary canvass for obtaining a classified enumeration of the pure breeds of domestic animals of the United States, and measures will doubtless betaken at the meeting appointed for Delaken at the meeting appointed at the delaken at the meeting at the delaken at the dela taken at the meeting appointed for De cember 4, 1900, to encourage the Director to complete the work.

ters of the organization is urgently re-sted. CHARLES F. MILLS, Secretary pro-tem, Springfield, Ill. F. S. Houghton, Temporary Chairman.

SPREAD OF THE LOCO WEED.

Denton, Tex., Nov. 15.—Dispatches from Western Texas indicate that the advantages from the heavy rainfall in that section during the summer have been to a considerable extent offset by the fact that it has greatly aided and increased the growth of the loco weed. As a result many horse and cattle have already sugary horses and cattle have already sugary. many horses and cattle have already suc-cumbed to the insidious and slow poison that exists in some unknown quantity and kind in the weed, and it is feared that many more will cross the "long divide"



OWNED BY GEO. BOTHWELL, NETTLETON, MO.

Editor RURAL WORLD: Noting a communication from Mr. F. Trotter of Monroe county, Ark., printed in your issue of the 14th, I would say, Mr. Trotter is certainly laboring under a serious missapprehension of facts, and in retaliation for what he deems unjust quarantine regulations of this state, says: "Southern people ought never to patronize that state when they want to stock up with fine cattle," and points to Illinois and Iowa as being more lenient in this matter and advises that "to these states we ought to go for our cattle."

In the sale ring with her. Mr. Armour sells six daughters of his great sire Kanness as Lat, four of St. Louis and four of Beau Brummel. In the imported division the cow Kenswick Cheesevat, Lot 62, is an outstanding dam, one of the best specimens of importation that Mr. Armour has ever owned. In bulls the Morris bred yearling Postboy, Lot 78, may be said to be the top. He is an animal of distinct between they want to stock up with fine cattle," and points to Illinois and Iowa as being more lenient in this matter and advises that "to these states we ought to go for our cattle."

In the sale ring with her. Mr. Armour facts four of St. Louis and four of Beau Brummel. In the imported division the cow Kenswick Cheesevat, Lot 62, is an outstanding dam, one of the best specimens of importation that Mr. Armour has ever owned. In bulls the Morris bred yearling Postboy, Lot 78, may be said to be the top. He is an animal of distinct be the top. He is an animal of distinct between the variety of the American Galloway Breeders' Association will be held at the Lealand to era' Association of were land. Hotel, Chicago, Illinois, on Thursday the rest in an outstanding dam, one of the best specimens of imported bull be the desire a large attendance of the members of our association as well as all when the autifulty pred, he have been made by the management of the Leland Hotel and the cow Kenswick Cheesevat, Lot 62, is an outstanding dam, one of the best specimens of imported bull by red, he for the coming

being more lenient in this matter and advises that "to these states we ought to go for our cattle."

If Mr. Trotter wishes to do justice in this matter he should remember that while Iowa and Illinois have an absolute quarantine against Arkansas cattle for about ten months out of the year, and during this period will admit only for immediate slaughter, Missouri for the past several years has admitted all her cattle that were not infested with ticks to any part of Missouri and for any purpose and at any season of the year. Missouri provides three inspectors (pays their salaries and expenses), who are placed at the service of the cattlemen of Arkansas, that their cattle, if not the bearers of southern fever infection, may be moved into Missouri as native cattle and without hindrance and without cost to the people of Arkansas.

We guarantee that Mr. Trotter, throughout the entire history of cattle quarantine regulations in the United States, cannot point to any other instance where one state provides a cattle inspect on the cattle inspection.

Fundamental the head of dispersion of the cattled of the cattle inspection.

We have a number of pictures of cattle unpersioned the cattle inspection.

Fundamental the ball of the comments and Mr. Funkhouse eris comments be carefully read.

We have a number of pictures of cattle inspection.

Fundamental the advisor of cattle distance where one state provides a cattle inspection.

States, cannot point to any other instance where one state provides a cattle inspection free of charge to another, as Misouri has heretofore done for Arkansas. The state of Kansas quarantines against

MISSOURI'S QUARANTINE REGULATION.

Sale. She has had two calves and is in calf again. Both of her calves will be shown in the sale ring with her. Mr. Armour meeting of the American Galloway Breedmeeting of the American Galloway Breedmeeting.

F. S. HASTINGS, With K. B. Armour. Nov. 8, 1900. INTERNATIONAL LIVE STOCK EXPO-

The state of Kansas quarantines against several Missouri counties and provides for the admission of cattle from these counties upon inspection, but she never once thought of providing the inspectors or paying for their services, as Missouri ones for Arkansas. Missouri names these inspectors, capable men in whom Kansas has confidence, and Missouri pays them from her own revenues.

Another matter that Mr. Trotter has probably overlooked is that we are charged with having infested areas in South Missouri, that a large section of our state with having infested areas in South Missouri, that a large section of our state is in danger of permanent infestation, that our winters in South Missouri are

NONPAREIL OF CLOVER BLOSSOM.
We are pleased to present on this page a picture of one of the best Shorthorn calves seen in America in recent years, Nonpareil of Clover Blossom, the property of that remarkably successful young breeder, George Bothwell of Nettleton, Mo. Nonpareil of Clover Blossom, the property of the remarkably successful young breeder, George Bothwell of Nettleton, Mo. Nonpareil of Clover Blossom the property of the remarkably successful young breeder, George Bothwell of Nettleton, Mo. Nonpareil of Clover Blossom the property of the remarkably successful young breeder, George Bothwell of Nettleton, Mo. Nonpareil of Clover Blossom the property of the remarkably successful Nonpareil Victor 1071. His dam was by the grand old Scotch buil Grand Victor 11575. He has had remarkable success in the show ring even in com-

Editor RURAL WORLD: The annual meeting of the American Galloway Breeders' Association will be held at the Leling the International Live Stock Exposi-tion, which will begin December 1 and close December 8. It is expected there will be the largest and best show of Gal-loways at this exposition that has ever been held on the American continent, and we desire a large attendance of the mem-bers of our association as well as all who are interested in Galloways on this oc-casion. Special rates have been made by the management of the Leland Hotel and the management of the Leland Hotel and we request all of our members and their friends to come at once to the Leland and stop there. Both American and European plan and you can use either that you prefer. The secretary will have head-quarters there and tickets of admission to the Exposition for the entire week will be given to all of our members, as well as a membership badge, which you will want to wear the entire time you are in Chicago. If you received a badge last year bring it with you, as the same kind will the management of the Leland Hotel and to wear the entire time you are in Chicago. If you received a badge last year bring it with you, as the same kind will be used this year. The showing will doubtless begin early Monday morning, so it will be well for you to arrange to spend the entire week in Chicago if possible. On Thursday morning and Friday morning there will be a combination sale under the auspices of the association, of 104 head of Galloways and in this sale will be a large number of the best specimens of the breed. A catalogue of the sale will be sent you on application to Frank B. Hearne, Secretary, Independence, Mo., and you are asked to send for one and then bring the catalog with you to Chicago.

This has been by far the best year in our history, and we want the meeting at Chicago to be in keeping with the advance we have made all along the line.

MARION PARR, President.

FRANK B. HEARNE, Secretary.

NEBRASKA STOCK NOTES.

Editor RURAL WORLD: With the increasing importance of the live stock in the stock yards in this section of the West, more attention is being given to fancy stock through Nebrasks. Last week a sale of blooded animals at the South Omaha Stock Yards attracted stockmen from sections a thousand miles removed from Omaha. The prices obtained were remarkable and evidenced the growing interest in fancy stock through the west. The auction was held in the stock yards all paylion, a new structure with all modern appointments. Before being brought into the ring the animals were true application, as thousand miles removed from particular to the stock interest in fancy stock through the west. The auction was held in the stock yards all paylion, a new structure with all modern appointments. Before being brought into the ring the animals were true the payling that the stock interest in fancy stock through the west. The auction was held in the stock yards are payling the payling th

The standard of the principle of the pri

GRAND SERIES

COMBINATION SALES

SHORT-HORNS.

100 HEAD December 4th & 5th. 1900. C. R. THOMAS, Sec'y,





100 HEAD December 6th & 7th. 1900.

J. H. PICKRELL, Sec'y,

ABERDEEN-ANGUS.

100 HEAD December 6th & 7th. 1900.

W. C. McGAVOCK, Mgr.,

OKLAHOMA CATTLE INSPECTION.

Guthrie, Ok., Nov. 15 .- The movement

Southern cattle to Oklahoma for winter feeding this year is something enormous, all of the cattle feeders being attracted by the immense corn, Kaffir and forage crops of the territory. Herds of cattle are scattered everywhere along the line of the territory awaiting admission. The inspectors have been working day and night, and everybody wants inspection at once. The Live Stock Sanitary Board met to-day to consider the matter and finally

number of special inspectors to until January 1 in order to facilits

Excursion Rates on All Railroads.

CALLOWAYS.

100 HEAD December 6th & 7th.

1900. FRANK B. HEARNE, Sec'y

Armour-Funkhouser Public Sale

IMPORTED AND AMERICAN HEREFORDS New Sale Pavilion Kansas City Stock Yards,

TUESDAY AND WEDNESDAY, DECEMBER 11 AND 12

10 Imported Bulls. 25 American Bulls.

30 Imported Cows. 45 American Cows. We pledge ourselves to offer a grand lot of cattle from the best families of England and America, among them Young Kansas Lad, the three-year-old bull now being used in the Armour herd; Climax 4th, the four-year-old Armour sire; Beau Real's Maid, the

famous \$2,250 cow; the Queen's heifer Busybody; Imported Rosedrop, and the show cows Hortensia 9th and Vernal.

JAMES A. FUNKHOUSER,

Catalogue ready.

Cols. JUDY, WOODS, SPARKS, EDMONSON and JONES, Auctioneers. Attention is called to the Short-Horn sale of H. C. Duncan and George Bothwell on December 13 and 14.

PUBLIC SALE

MAPLE HILL AND CLOVER BLOSSOM

Kansas City, Mo., December 13 and 14. 100-HEAD-100 SCOTCH AND SCOTCH-TOPPED BULLS AND HEIFERS.

SEND FOR CATALOGUE. GEO. BOTHWELL, H. C. DUNCAN, Nettleton, Mo. Osbo COLS. WOODS and SPARKS, Auctioneers. Osborne, Mo.

Attention is called to the Hereford Sale of Kirk B. Armour and James A. Funkhouser on Dec. 11 and 12. See Announcement above.

IDLEWILD SHORTHORNS!

SHORTHORNS, BERKSHIRES and JACKS.

Shorthorns Scotch or Scotch Top and Bates mostly. Herkshires best blood in America and England Stock of all ages and both sex for sais. Call on or address, N. H. GENTRY, SEPALIA, Mo.

ENGLISHED POLLED CATTLE
SHORTHORN CATTLE—Foundation stood
fine stock.

BF Your orders solicited.
L. E. HASEL/TINE. Dorchester. Green Co., Mo
China hogo of the most approved strains, extre

SHORTHORN CATTLE. Berkshire Hogs, Angora Goats, Light Brahms and Golden Seabright chickens. Stock and eggs for eals. Call on or address

> Shorthorn Heifers SALE—By Earon Champion 12778, and out of of Sharon Craig's family, at a bargain if taken Call on or address POWELL BROS., LEE'S SUMMIT, Mo.

Aberdeen-Angus Cattle. Hero of Estill 3d 2006 by Heathen Lad 2d heads the herd. Leading families. For sale: Cholor young bulls and females. Watson Bros., Judson, Sullivan Co., Mo., J. T. WATSON, Mgr., E. E. Sta-Harris Mo.

RAVENSWOOD HERD SHORTHORNS



S. P. EMMONS

Combination Shorthorn Cattle Sale

" MEXICO, MO., NOV. 15, 1900. The blood of the following great bulls largely disseminated in the offering: Young Abbettaburn.





For seman.

**A plant of the control of the control

The multiple and three posers at sleven years of ageflower house the country are brity these bears at sleven years of ageflower house the country are brity these bears and sleven years of ageflower house the country are brity these bears and sleven years of ageflower house the country are brity these bears and the sleven that come the same and three posers at sleven years of ageflower house the country are brity these bears and the sleven that come the same and the sleven that come the same and the sleven that come the same and the same three posessing are sleven to the country and the same three posessing developed posed. This round and manthat cases and the same three posessing developed posed. The round and manthat cases and the same three possessing developed posed. The round and manthat cases and the same three possessing developed posed. The round and manthat cases and the same three possessing developed posed. The round and manthat cases and the same three possessing developed posed. The round and man
that cases and the same three possessing developed posed. The round and man
that cases are three three possessing developed posed. The round and man
that cases are three three possessing developed posed. The round and man
that cases are three three possessing developed posed. The round and man
that cases are three three possessing developed posed. The round and man
that cases are three three possessing developed possess

FOR SALE!

Sixty good black Missouri and Kentucky Jacks and Jennets. Limestone Mammoth 298 and Clermont 115, sons of Superior Mammoth 124 and Day Star 22, first and second premium jacks at the World's Fair, 1893, at L. M. MONSEES 4 SONS, Props. of Limestone Valley Farm, SMITHTON, MO.

CHOICE SHORTHORN BULLS FOR SALE! 13 Scotch and Scotch topped bulls of the low down, blocky type. One is a Cruickshank Orange Blossom, one a Rameden. Also a few choice helf-ers not related to bulls. Address, PURDY SESS., FAIRVIEW STOCK FARM, MARRIS, RE.

Gentry Bros., Sedalia, Mo.

CEDAR VALE STOCK FARM.

Grand Duke of Hazelburst 125404, assisted by Waterloo Duke of Cedar Vale 125065, heads our herd of pure Bates and Bates topped, pure Scotch and Scotch topped cows of the most fashionable families. Stock for sale at all times

Parties met at train. Farm two miles out. TELEPHONE NO. 20.

ST. LOUIS NATIONAL STOCK YARDS, THE LIVE STOCK MARKET OF ST. LOUIS.

1 at Bast St. Louis, directly opposite the city of St. Louis ald see that their stock is billed directly to the

National Stock Yards.
C. T. JOHES, GODERN MEY. L. W. KEAKE, ASS. JED'I MART

BLACK LEG VACCINE.

PASTEUR VACCINE CO.,
48 Fifth Ave., Chicago. 519 Commerce Bldg, Kansas City, Mo.

SHORTHORN BULLS FOR SALE!

rridais 125,000; Lare Kuan of April 30, 1880 at \$200, or will trade him for heifers. Also 6-year aron Thorndais and out of dams of Easterday and Secret, these strains have been in the herd and are great milkers. Call on or address.

BLACKWATER SHORTHORNS! F. M. MARSHAL, Prop.,
BLACKWATER,
Compared by the Cruickshank Bull, Orange Hero, by Godoy. Females are of pure Scotch and
pure Bates, with individual merit the standard. Young stock of both sex for sale.

CRYSTAL SPRINGS SHORTHORNS

YOU CAN PREVENT BLACKLEG

among your cattle by the use of Parke, Davis & Co.'s SLACKLEG VACCINE. Every to is tested on cattle and found reliable before a single dose is put on the market. It will prevent BLACKLEG if fresh product is used, the same as vaccination prevents Smallpox in the human family. Operation simple, and easy to perform. Specify P., D. & Co.'s, and get the kind that is always reliable. For asle by all druggists. Write us for literature and full information, free on request.

PARKE, DAVIS & COMPANY, Detroit, Michigan, BRANCHES: New York City, Kansas City, Mo., Baltimore, Md., New Orleans, La., Walkerville, Ont., and Montreal, Que.

TROTTING BRED MARES TO LET.

Nine are under 4 years oid. Will sell a bargain on account of my age and poor health on account of my age and poor health on account of my age and poor health.

B. R. station 4 miles Garden City, Mo.

THE TROTTING INSTINCT.

I have never contended that it was necessary for a stallion to be campaigned to a record in order to make him a successful sire, says Hawley in the "Stock Farm." I believe that a young stallion from a line of ancestors in which the instinct to trot has been kept alive by development will prove successful as a sire even though his own speed has not been developed. But to continue for generation after generation to breed from stallions and mares which have not been developed would mean to go backward instead of forward in breeding. Development and the farther test of racing goes to show whether or not a horse possesses that which his ancestry is supposed to give him. It is true that a young horse, that has not preceded to the property of the

UCTION - - -



R. L. HARRIMANN.

JAS, W. SPARKS, Live Stock Auctioneer, been and am now booked forthe best sales of eastle, bogs and horses held in America. Terms low.

Shorthorn Cattle,

JOHN MORRIS, Chillic sthe, Mo-HEREFORD CATTLE. 8 Hereford bulls, registered. A feweboice heifers Write to N. E. MOSHER & SON, Ralisbury' Mo.

Scientific American.

on of any scientific journal. Terms, \$3 a four months, \$1. Sold by all newedealers. JUNN & CO. 361Broadway, New York Branch Office, 625 V St., Washington, D. C.

Home Circle.

Written for the RURAL WORLD.
AUTUMN.

The golden sun in splendor sets The golden sun in specials of the Co'er peaks and fiery parapets,
And scarlet leaves as fire-sparks fly
Like clouds of winging birds on high!

Wand'ring winds whistle shrill and sharp As winter tunes his frozen harp, And rustling corn its music keep Like strains from the murmuring deep

Oh, Autumn, with your wealth of gold, Like flaming worlds you paint the scene And change to fire the living green! S. F. GILLESPIE.

Washington, D. C.

Written for the RURAL WORLD. THE FARM HOME KITCHEN.

I have been wondering how one can car igh a sustained discussion upon ry through a sustained discussion upon any subject without a too frequent use of the great big capital "1." That letter of the alphabet has always been in my way when writing for publication, and it is "borne in upon me," as Quakers say, that there are many RURAL WORLD. Contributors who might (if they would) furnish me valuable "pointers" on this important subject. "Come one, come al." and tell me how to avoid the too frequent repetition of that objectionable capital "1." The very sight of it is hateful and imparfably causes me to "sidetrack" besides to see the utility of kitchen helps. There is a meat grinder that not only will uselessness unground, but does its work quicker, better and easier than the old-fishloned hash knife. It also will pulver-

the farmer, dear editor, takes you out to look at his fine herd of Shorthorns, or that eautiful field of wheat, or the convenient see the home mother hurrying with her morning work in the kitchen that she may steal a few hours of time to work in the garden. She is surely the "woman with the hoe," and small wonder that the lines of care deepen on her once smooth cheek and the back becomes permanently stooped—not because of work, but from work beyond her strength and too little rest.

Too little attention is paid to the proper ventilation of kitchens; and the cellar also, whether beneath the house or not, should receive a due amount of attention in this respect. It is a matter of course that housekeepers are recanonably clean

that housekeepers are reasonably clean place of spreading the feast; then, too, in and particular about their cooking and this selection, there was a delicate considgeneral housework; and that the utensils estation which the mother appreciated. Her two oldest daughters were attending and slops and other refuse carried to a respectful distance before being empiried. It is much cheaper to exercise care and common sense in this respect than to pay the expense of a spell of typhoid or hightheris, to say nothing of the needless suffering and possible loss of life.

If the house is not newly built it will probably not be provided with ventilating ples, leaving for the hostess the preparageneral housework; and that the utensils shining and slops and other refuse carried

probably not be provided with ventilating flues or other means of getting rid of impure air. A very common means of ventilating such houses is to raise the lower out one inch and lay beneath it a of board. This leaves a space between the two sashes through which the preparatory work for the dinner. A pure air may enter. It is almost needless to state that a supply of pure air and an abundance of good water are as much the mother of this home, she completing the dinner and having it ready to be discovered.

abundance of good water are as much necessities as nourishing food when hungry; and an absolutely perfect kitchen cannot be maintained without a good supply of both.

A small kitchen is much more convenient than a large one, although even that has its drawbacks, as the whole family are inclined to congregate "where mother is." While this may be sociable and pleasant yet there is such a thing as the room being too crowded for rapid work, and it is anything but agreeable to have every inch of available space around the cookstove occupied by irresponsible, hungry people, while the cook, tired and perhaps cross, must reach in between or over their heads to attend to things on the stove; or between their feet to see if the food in the oven is baking.

A convenient store room or pantry is a necessity and to be really convenient should be provided with plenty of shelves and drawers: also with a cuboard with memory of the occasion will brighten memory of the occasion will brighten to see the friends returned.

After dinner and having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be served when the friends returned.

After dinner all having it ready to be extered when the friends returned.

After dinner all having it ready when the friends returned.

After dinner all having it ready when the friends returned in gathering up the fragments and restoring order. The afternoon was devoted by the discussio

necessity and to be really convenient should be provided with plenty of shelves and drawers; also with a cupboard with one side opening into the kitchen. There should also be drawers opening both ways to save time and extra steps, and a lamp so arranged as to shine into both kitchen and store room. The kitchen sink should be fitted with a corrugated draining board, and beneath it may be placed a row of hooks on which to hang saucepans and skillets. This should not be inclosed, for sanitary reasons.

the diversion may even tax you more than ordinarily, both the anticipation and the memory of the coasion will brighten many an hour during the winter; and above all the little ones will get a larger and truer conception of life, that is that we must not live unto ourselves; and in the years to come when they themselves preside over homes, other little ones who sit around their hearthstones will be glade disteners of the stories of innocent frolic and fun of that Thanksgiving Day when Neighbor Jones and all his family were at "our house."

MRS. MARY ANDERSON. for sanitary reasons.

A cabinet for spices, dried fruits, baking powder, extracts, etc., should be conven-

iently near the cooking table, which must be built with bins for flour and meal with drawers for mixing bowls and other small cooking utensils. A place should be ar-ranged for potash, ammonia, chloride of lime, muriatic acid, oxalic acid, Priscilla compound, gold dust, soaps for disinfect-ing, lotions for bruises, salves for cuts and dozens of other things that are needin a kitchen laboratory. This should fastened securely to the wall, out of reach of children, and be kept tightly

without a reliable cook book, or more properly, a variety of cook books; as nearly every one of them has its own pe-There should also be count book, a memorandum book, a sall slate with pencil attached, a lead small state with pencil attached, a lead pencil, a tablet, some envelopes, a pen with bottle of ink, a bottle of mucliage, some wrapping paper, a ball of twine and dozens of other conveniences that will suggest themselves to each individual. Have a high chair and a low rocker without arms; a bamboo lounge (or a homemade one), and a stand with a cushioned fortested agest. In whiting the weary footstool near by inviting the weary mother to snatch a few minutes' rest "'tween whiles," during which to read the RURAL WORLD.

repetition of that objectionable capital "I." The very sight of it is hateful and invariably causes me to "sidetrack" before I am fairly commenced, and even now—"where am I at?" Witness the impossibility of adhering to any sensible subject with "I" in the foreground.

Happy homes with healthy, contented, intelligent inmates are the surest guarantee of the assured moral progressiveness of a nation; and there seems no better place to look for them in the highest degree of culture and perfection than on the farm. The surroundings are—or may be—cheerful, pleasant and beautiful; the food abundant, of the best of its kind, fresh from field, garden and orchard, well prepared and healthful. The children are well trained, respectful, obedient and industrious; eagerly enjoying those pursuits and pleasures that help in the development of noble men and virtuous, cultured women.

It is then doubly important that the foundation of the home—the kitchen-should be conveniently arranged and rightly adapted to the individual needs of the presiding gentus—the cook. It is of the utmost importance that the arrangements should be convenient and that the furnishings be suitable and equal to everly necessity of the housewife. When cooking utensis are so cheap it is folly to waste time, strength and temper in trying to "get along" without those labor and time savers which may be so cheaply purchased.

While a convenient and sensibly furnished kitchen is one of the chief points in home making, in my opinion a good vegetable and fruit garden conveniently in heart of the former, dear editor, takes you out to look at his fine herd of Shorthorns, or that beautiful field of wheat, or the convenient to look at his fine herd of Shorthorns, or that beautiful field of wheat, or the convenient to look at his fine herd of Shorthorns, or that beautiful field of wheat, or the convenient to look at his fine herd of Shorthorns, or that beautiful field of wheat, or the convenient, and the submy beautiful field of wheat, or the convenient to look at his

the triangle of the convenient in ga more convenient season, almost or a spends on his strawberry patch (in a smind), and if he has cut the old cases at of the blackberry bushes. Nine out of farmers will say: "Oh, the women lks 'tend to the garden; that is too putrin' kind o' work fer me." And sure lough; in the spring of the year we may be the home mother hurrying with her corning work in the kitchen that she may.

pies, leaving for the hostess the prepara tion of the vegetables, sauces and pickles The turkey was, of coarse, roasted at the home where the reunion was held. Early in the morning the friends gath

ered, prepared the table and did all th

MRS. MARY ANDERSON. Caldwell Co., Mo.

without your assistance, but have always made a strong effort to turn the attention of legitimate homeseekers in this direction. It is being done by honest states the GIMS, ALLAYS all PAIN; CURES WIND, COLKI, and is the best remedy for DIAG. The world, Be sure and ask for "Mars Wing the world, Be sure and ask for "Mars Wing the world. Be sure and ask for "Mars Wing the world. Be sure and ask for "Mars Wing the world. Be sure and ask for "Mars Wing the world. Be sure and ask for "Mars Wing the world. Be sure and the no other kind. Twenty-dive cents a bottle.

Mo. WE CAN'T DO IT

Written for the RURAL WORLD COUNTRY LIFE.

Country life! How pure and simple those two words sound. What mental picture do we draw when we think of the beautiful country and the life lived there in? It isn't of wealth and grandeur at tained only by gold. No! It is far ahea of anything that wealth can purchase of anything that wealth can purchase The lessons taught us by nature are the

Those reared in the country, surrounded by nature's gardens of green grass, beautiful flowers and grand and stately trees; the clear, sparkling brooks, the hills and valleys, and the pure, frerh air (God's blessings without number) are the ones that possess the true elements for the upbuilding of our country.

The leading men in every calling were reared in the country, away from the follies, the vices and the evil influences that exist in our cities.

exist in our cities. Not one of our American Presidents wa

n in the city ufactures; given employment to naviga

One of the greatest charms country li has is in its variety of products, and we can better appreciate this charm by the practice of agriculture. It is one art that progresses with time and is surrounded with the most exhilarating influences. What better calling, young men and even young women, do you want than that of agriculture, with its country joys?

HATTIE WILLIAMS.

Autumn, the loveliest season of the year, will soon vacate in favor of the "ice king." Already the sacks of winter clothing have been brought out and some of their contents donned. One of the men brought out a new pair of "Sunday best" the beauty for a draw of "Sunday best". that he had in a drawer with which Mr. Moth had played havoc. I heard the "boss" say something about his best overcoat; there was no occasion to fear, for it had been well looked after.

for it had been well looked after.

The time was when heavy finnels were considered necessary for underwear. Then if warm weather came a day or two earlier, how everybody suffered, and severe colds often followed. To be comfortable at all times use medium weight underwear, putting on or taking off heavy outside garments as the weather changes. It seems cruel to put flannels next to the tender flesh of children, and to most adults they are uncomfortable. to most adults they are uncomfortable By some thoughtful mothers gauze under year is used under the flan

wear is used under the flannel.

For health's sake there are many things
to remember and the most important one
is dry feet. Have at all times of the year
a pair of overshoes near the kitchen door.

Even in summer, when looking after the
poultry or doing errands, rubbers are a
necessity in the dew.

For headwear get flannelette, tear in
squares and hem. Keep them distributed
through the rooms; for often someone

oo cold to go bareheaded out of a warm unbonnets in warm weather.

A brother thought for a winter robe h would like a comfort, as the wind pene-trates blankets. I made him one after this style: I bought a pair of cotton this style: I bought a pair of cottor blankets for 50c; three pounds cotton, 25c a ball of coarse darning cotton, colored and white mixed, 5c; I got the cotton te match the blankets, and made a com-fort. He tried it on a cold day and pro-nounced it the right style of robe. Just pure more suggestion. When going to be ne more suggestion: When going to bed n a cold room or if the bed seems cold keep your arm under you until the warmth of the body has removed the chill, thus protecting the lungs MARTHA.

St. Clair Co., Ill.

SELF-RELIANCE.

Henry Ward Beecher used to tell this natics taught him to depend upor "I was sent to the blackboard and went

"I was sent to the blackboard and went, uncertain, full of whimpering.
"That lesson must be learned, said my teacher, in a very quiet tone, but with terrible intensity. All explanations and excuses he trod under foot with utter teaching the same teaching teaching teaching the same teaching teaching

tard ple in the usual way and spread over it a chocolate frosting made as follows: Beat one egg to a stiff froth, add white 'I did study it two hours.' sugar to thicken, half teaspoon vanilia and grated chocolate to suit the taste— one or two teaspoons.

fusion.

"He, too, was stopped with 'No!' but went right on, finished, and as he sat down was rewarded with 'Very well.'

"'Why,' whimpered I, 'I recited it just as he did, and you sald "No!"

"'Why didn't you say 'Yes' and stick to it? It is not enough to know your lesson.

You must know that you know it. You have learned nothing till you are sure. If all the world says 'No!' your business i to say 'Yes' and prove it."-Ex.

LIFE'S AFTER WHILE.

Be patient, some sweet day The fears and trials and the Hidden snare;
The grief that comes upon thee Unaware—

Whate'er its mysteries, God holds th

PRESERVING BEEF .- I wish some than by drying it.

MRS. GEO. HANSON.

WHEN THE HEART IS RIGHT.

GOOD RECIPES.

oth in color and flavor.

PRUNE PUDDING.-Make a nice corn-

CHOCOLATE CUSTARD.-Make a cus

Unaware—
Shall with the fleeting years be laid aside
And thou shalt then be fully satisfied.

Linn Co., Mo.

Understand; Thy lot, whate'er it be, is

Written for the RURAL WORLD TIMELY HINTS ON WEARING AP PAREL.

hrough the rooms; for often someone calls at the door or gate and the day is om. Just as necessary is the line of

cornfulness. 'I want that problem; lon't want any reasons why you haven't t,' he would say

"That is nothing to me. I want the esson. You may not study it at all, or ou may study it ten hours, just suit ourself. I want the lesson.
"It was tough for a green boy, but it easoned me. In less than a month I had he most intense sense of intellectual in-

"One day his cold, calm voice fell upor me in the midst of a demonstration 'No!' I hesitated and then went back to the beginning, and on reaching the same point again, 'No!' uttered in a tone of conviction barred my progress " "The next!" and I sat down in red con



Poultry Yard.

MISSOURI POULTRY MEETINGS AND

ette, Mo., December 19-14, 1900. Mrs. E. A. Creel, Carrollton, Mo., Becretary. North Missouri Poultry Show at Kirksville, Mo., December 3-7, 1900. F. M. Bucklingham, Kirksville, Mo., secretary. Grand River Valley Poultry Show at Albany, Mo., November 19-24, 1900. R. R. French, Ford City, Mo., secretary. Northeast Mo. Poultry Show at Bowling Green, Mo., December 2-6, 1900. L. T. Sanderson, secretary.

ANOTHER LANGSHAN DEFENDER. founded when I read the criticism of Black Langshans made by Mrs. Geo. Har on in the RURAL WORLD of Oct. 17. son in the RURAL WORLD of Oct. 17.
Mrs. Hanson has a perfect right to boom or boost the justly popular Plymouth Rocks or any other variety that she may take a faincy to, but she is not justified in doing it by tearing down the well earned reputation of another meritorious and popular breed. I, as well as every other breeder of Black Laugshans, am willing to lose Mrs. Hanson from the Laugshan fraternity if she is unable to appreciate the many good qualities the Laugshans MRS. GEO. HANSON.
Linn Co., Mo.

Linn Co., Mo.

Written for the RURAL WORLD.
MY PREFERENCE.

I am very much interested in your paper and read it with pleasure, especially the Home Circle department.

We have not heard from Idyll since she removed from the farm to her six-room good quality possesses the build up our favorable to profitable winter egg proceedings. I smiled when I read she had left the farm, as by her letters I understood she liked farm life far better than living in the "musty, dusty city." For myself I will take the city life. We have altogether too few pleasures on a farm, with any amount of hard work, tolling early and late, with little time to bestow on the better things-of this world, wearied in body and mind, unable to concentrate on the better there are an early up perhaps in our everyday affairs, and we will never the say: "Well, I will wait; I shall comprehend better to-morrow." But to morrow comes with its ceaseless round of toil, and yet we wait for the quiet time. Does it ever come? I have tried both, and I prefer to have the few pleasures which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

Will some of the Home Circle readers which can only be had by living in or near the city.

be kind enough to send me either by mail of the rest.

There are more breeders of pure bred Langshans in Pike County, Mo., than any of the groceries, but which are not always reliable, as you all know? I have quite a number of reliable recipes of cakes, salads, frozan dainties, puddings, etc., which I will gladly give if any one cares for them.

Jasper Co., Mo.

WHEN THE THE SENTING THE PROPERTY OF THE PROPERTY

Regarding the Black Langshan Controversy.

Until you have learned to control your thoughts, you will never be able to live a godly and righteous life. As a man thinketh in his heart, so is he; and it is because the thoughts that we entertain in the hostelry of the soul are such worthless and vain ones that our words and acts often bring so heavy a disgrace on the name we love. Well might the wise man say, "Keep thy heart above all keeping, for out of it are the issues of 'life." When the heart is right the eye and the car and the mouth and the foot will necessarily obey its promptings, but when the heart is wrong, filled with tides of ink, like the cuttlefish, it will develop itself in the impurity to which it gives vent. If you believe that the car can be develop that the sum of the cuttlefish, it will develop itself in the impurity to which it gives vent. If you believe that the contrary opinions as to the merits of the Langshans foul as expressed in late issues of the RURAL WORLD. Now I believe both sides of the discussion to be well founded, for I have had long experience not only with Langshans but with many other breeds, and know that just such characteristics will be found. That is why I nearly always answer: "It depends," when asked whether this or that breed or variety is a good one or at any rate desirable. I started with Langshans in 1882—18 years ago last spring; when the men who had them in their purity were very scarce. Until you have learned to control your Editor RURAL WORLD: Some

whether this or that breed or variety is a good one or at any rate desirable.

I started with Langshans in 1882–18 years ago last spring; when the men who had them in their purity were very scarce. And I found then that they, like a good many other fowls, have to be kept growing right along from hatching to maturity to make best table fowls; they will then be meaty, tender and readily fattened at any age over five months. If let get poor cuttlefish, it will develop itself in the impurity to which it gives vent. If you habitually permit things to have their right of way through you, or lodging within you, remember that in God's sight you are here equally guilty with those who indulge in evil acts, because you are withheld, not by your fear of Him, but by your desire to maintain your position among men.—Rev. F. B. Meyer. any age over five months. If let get poo and gaunt, they will develop rave BEDBUGS.—Gwendolin, Audrain Co., Mo., gives her method of ejecting this most unwelcome visitor. First scald the bedstead, then wipe it dry, putting a little coal oil on the varnished parts to restore the color. Take the white of one egg, adding five cents' worth of quick-silver, beating the mixture until stiff. Apoly with a feather, putting it in every to satisfy them, and then not do well.

As winter layers, when properly reared
and kept, the hens and pullets will be
found excellent. I remember a flock of
ten pullets I had at one time. These
Langshans were wonderful layers of rich
colored eggs, both as regards shell and
contents. They are not readily everful.

Apply with a feather, putting it in every place that a bug may be expected to be found or ao. See that the bedclothes and legged Javas, and as the middle toe should be clean, if properly bred, I do not have any trouble with broken quills between toes. Certainly they will get scurvy a little easier than clean-legged breeds, but if given half a chance will not give any more trouble in this respect than will Minorcas or Spanish fowls.

Langshans should be hatched early in the spring and kept growing vigorously, so that by harvest they will be large enough to turn into the stubble fields to mattress are well cleaned of all eggs and bugs. It is well to take the mattress out where it can have boiling water pour-ed over it, using care to have the cor-ners well scalded.

finish their growth in short order and at small expense and by November the pullets will be laying and the cockerels large enough to make fine Thanksgiving roasts.

As roasters they will be found to excel almost all other breads and the cockers and the property of the cockers and the cockers are considered to the cocke HEAD CHEESE .- Boil the four heads,

ears, feet, legs and any nice scraps trimmed from the hams of fresh pigs until the meat from the hams of fresh pigs until the meat will drop from the bones; separate the bones from the meat; place in a chopping bowl; season with pepper, salt, sage and summer savory; chop coarsely; put it back into the kettle with just enough of the liquor to prevent it burning; mix thoroughly and while hot pour it into a strong muslin bag; press the bag between two flat surfaces with a heavy weight on top or mould in a square loaf; serve very cold cut in slices.

GOOD APPLE SAUCE.—Take nice tart apples, peel, core and quarter, put in a pan with half a cupful of water, cover closely and cook in the oven till the apples all fall away and no lumps are left, Add sugar to taste, cover again and set in the oven two or three minutes. Apples were the doc closely and never introducing the court of reggs and never introducing the court of persons buying a pair or trio or setting of eggs and never introducing the court of the court of the court of persons buying a pair or trio or setting of eggs and never introducing the court of the ples all fall away and no lumps are left, Add sugar to taste, cover again and set in the oven two or three minutes. Apple new blood until their fowls became sauce cooked in this manner is much su- Langshan bantams and good for Pennsylvania. GEORGE ENTY. perior to that made on top of the stove,

MRS. HANSON'S DEFENSE.

PRUNE PUDDING.—Make a nice cornstarch pudding; add one cupful of prunes which have been cooked and pressed through a colander; also the whites of three or four eggs beaten stiff and one-half cupful of whipped cream; flavor to taste; place in a mould and set away to get very cold; serve with cream and sugar. And make your own sausage.

SAUSAGE.—Three pounds of lean, fresh pork, one pound of fat, chop fine and add six teaspoonfuls of sage, three teaspoons. MRS. HANSON'S DEFENSE.

Editor RURAL WORLD: I said naught the Langshans as layers, but I do maintain the P. Rocks are just as good layers. I have both breeds and have no wish to discriminate. They all get the same treatment and the P. Rocks are the equal of any large breed I have had to deal with when it comes to laying. Their eggs do hatch better for me as a rule. I will not attempt to advise those who have raised both breeds and shipped coops of P. Rocks and Langshans pork, one pound of fat, chop fine and add six teaspoonfuls of sage, three teaspoonfuls of open per, three teaspoonfuls of salt, one teaspoonful of cloves, if liked; mix these ingredients thoroughly; pack in a stone jar and pour hot lard over the top; keep in a very cold place well covered; twhen needed cut in silces or make into little cakes. It is more healthful and cheaper to keep a small sausage cutter brahms either. Why? Because the

Why? Because the

two breeds last mentioned dress white meated, and with sharp breast bones, which no amount of our western way of feeding has ever been able to overcome.

Recks, and will require a longer time to do it in. I cannot compare breeds by my neighbors' way of handling hens. I find some people handling even the Cochin hen and doing well in the egg business, while others say the Leghorn is over-estimated in regard to eggs.

I am of the opinion the hen business is in its infancy on many farms. As for sitting hens, the one which would sit, sit, sit, would not strike me favorably, as I sit, would not strike me favorably, as I use an incubator.

That is the fault of the P. Rocks. They

constant confinement that makes egg pr duction difficult.

THE FEEDER MOST IMPORTANT.

In the line of feeding, success depen-more on the feeder than on the fed. Son

In the line of feeding, success depends more on the feeder than on the fed. Sommen can feed whole corn and get more gegs than some others would get if they fed mince pie. Hens must have what they like, mixed with much judgment as thow much they get and when they get it And that is the secret of winter eggs.

The beginner is apt to attach an exaggrated importance to variety in feeding and he gets up home mixing feed formular ant cannot feed without a true attend ant cannot feed without a true attend ant cannot feed without a feed for mular they will be seen the feed alphabet from artichokes to an soforth.

The usual reason given for these complicated feed tables is the necessity of a balanced ration. And they are made up of some many items figured down to such mathematical exactness that the hens genothing to eat but compound fractions, am in sympathy with a balanced ration—ally. The hemist can be a balanced or atton—ally. The hemist can be a balanced or atton—ally the helm of the chemical laboratory but the her house.

CORN 18 ESSENTIAL—For the staff

not the chemical laboratory but the hen house.

CORN IS ESSENTIAL.—For the staff of life the hen demands corn; and the hen's instinct is a good deal more scientific than some people's reasoning. It is safe to feed corn once a day the year round; varying the quantity, however, with different seasons. When hens are confined I usually give a half feed of corn in the morning, scattering it in the litter. For the evening meal I make a mash composed mainly of bran. I am open to correction as to the constituents of this mash, but when I can get "run of the milli" I seldom add anything but animal meal and salt, mixing with milk when I can get it and adding cayenne pepper when it seems advisable. In bitter cold weather I substitute hot corn for the mash.

Hens in confinement must be induced to

Langshans were wonderful layers of rich colored eggs, both as regards shell and contents. They are not readily overfed when laying right alons.

Langshans are the lightest leg feathered of the Asiatics, excepting the cleaning ged Javas, and as the middle to should be clean, if properly bred, I do not have any trouble with broken guills be-for the color of this. ANIMAL FOOD AND GREEN FOOD.

but if given haif a chence will not give any more trouble in this respect than will Minorcas or Spanish fowls.

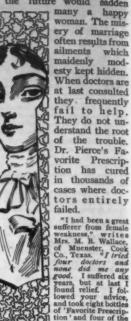
Langshans should be hatched early in the spring and kept growing vigorously, so that by harvest they will be large enough to turn into the stubble fields to glean the lost wheat and oats. They will

WANED!

RELIABLE MEN OR WOMEN to sell our goods to the consumer in communities from 1,000 to 10,000 population; permanent employment at good pay. Address THE GREAT EASTERN COFFEE & TEA CO., 301 South 10th Street, St. Louis. Mo.



Charter Oak Stove & Range Co. MAKE THEM.



"Favorite Prescription"



MOTHERS If you fail to find a cure for Cure guaranteed, Mo. Remedy Co. St. Louis POULTRY.

EXTRA LARGE Pekin ducks and Toulous until Jan. 1. Write for prices. Satisfaction guaranteed. Mrs. EUG. HOLLAND, Highland, Ili. 25 FIRST PRIZES

OR SALE—Choice Barred Ply. Rocks and Ligh Brahmas. O. W. REID, Prairie Hill Mo.

1882—Cockerela and Pullets, Lt. Brah.—1900 Hocks, B. L. Wyandottee, Satisfaction or your money back. Prices right. H. T. REED, Camp Point, III

HOICE Black Minoreas, C. I. Games, Sherwoods Prices reasonable. W. W. GRAVES, Butler, Mc

Barred Rocks, Pekin Ducks!-Prise stock and egge for sale. Guarantee satisfaction. NEPENTHE POULTRY RANCH. New Florence, Mc. W. P. ROCKS

Choice Young Stock for sale at farmers prices. R. S. THOMAS, Carthage, Mo. 200-Egg Incubator for \$12.00 Perfect in construction action. Hatches every egg. Write for catalogue GEO. H. STAHL, Quinc

and DUROC-JERSEYS

500 BARRED and WHITE PLYMOUTH ROCKS

Cockerels for sale from \$2.00 to \$5.00 each. Well-bred and of high quality. D. T. HEIMLICH, Jacksonville, Ill.

HAVE A LOT OF FINE BELGIAN
HARES FOR SALE CHEAP.
BERTHA WAPELHORST. Valley Park, Mo.

SPECIAL BARGAINS!



Strong, Healthy Chicks 1

The EASIEST TO RUN ulating temperature and m

MARILLA inc
Hot Air or Hot Water. Money lead
A Absorbedy man. Derrably bells. C

MARILLA HICUBATOR CO., Res 26 Se

KLONDIKE INCUBATOR SOLUTION SO

SELECTED BREEDING of M. B. TUNKETS outra large and fine plumage; prices reason-able when stock is considered. F. M. eH SOUT, McLean, Ill-

Coughs and Colds The Pig Pen.

ALLEN'S Lung Balsam

IEE'S Hog Remedy Formula, with the addition of the best worm powder in the world. Only 6c per pound in 10 ib boxes, frt. paid, Only 6c per pound Sample and Catalogue sent Free. GEO. Ha LEE CO. OMAHA, NEB. Be our Adv. in last week's jame.

FREE BOOK ON HOW TO DIP AND FEED MOORE'S REMEDY and cure Mange, kill Lice and Fever Germs. Five Cents Per Hog Per Year. HOGS



WRITE Wm. KOENIG & CO.,

ST. LOUIS, MO. For Catalog and Prices of DICK'S FAMOUS PATENT Feed

POLAND-CHINAS

POLAND - CHINAS.

BLACK U. S. AND TECUMSEH POLAND-Pigs at \$10. Pedigrees furnished. All letters an-wered. Jersey Cattle of good butter strains for ale. BINERST W. WALLEN. Monest, Mo.

VIVION & ALEXANDER,
FULTON, MO.

Breeders of the best strains of Poland-Ohina
logs. Begistered Jorany sattle and Plymouth
Book chicks. Young stock for sate at all times.

S! best. and

R

S more hyd harp ruc inside a mad installation of regions of the stallation of the st

cos sac-arm co.



it is more a cure than a preventive of dis-ease. His main forte is in going into herds where the disease has already de-Please tell me whether pure buttermilk for a preventive he will not take cholera, unless he is directly exposed. But if the hog should become exposed and take the



MESSRS. HARRIS & McMAHON, La-cine, Mo., advertise bargains in Berk-shires at Sunnyside Farm. Their princi-pal herd boars are Wooddale Star 2d 44502, by King Longfellow 28279; dam Royal Star

profit by the islors and experiences of an old breeder and buy their boars for improving their herds. J. P. Vissering, of Mehlville, Ill., for 20 years has bred and improved Poland-China hogs, and sells them at reasonable prices. See his advertisement elsewhere.

7-Marsh Barrachs 9-J. W. Funk, Jr., Heyworth, Ill.

The Shepherd.

MISSOURI SHEEP BREEDERS' ASSOCIATION.

J. H. WACKEKCK, Enfeld, Illinois, which is the same recovery legislation for the most and the base will have to drink nearly thirty pounds of it to get protein enough, and then she had for the same in every legislation of it to get protein enough, and then she had for the same in every legislation of it to get protein enough, and then she had for the same in every legislation of it to get protein enough, and then she had for the same in every legislation to do it to get protein enough, and then she had for the secretary at a fine to forward the same in every legislation of it to get protein enough, and then she had for the same in every legislation to do it to get protein enough, and then she and the count of the same in every legislation to do it is get production of the most and the beam of the most and the beam of the same in every legislation to do it is get production of the most and the base of the most and the base of the most and the base of the same presumes at the itlanda Addison County and the same in every legislation to do it is get production of the most and the base of the most and the bas

in handling Merino sheep will pro-satisfactory with the mutton breet the feeder in the very inception flock experience should duly consi-

gent, well-directed management.-Prof. W. A. Henry.

OPPORTUNITY FOR THE SHEEP RAISER.

of profit. If the quality of the product

FOR CENTRAL CHESTRY HOUSE.

BERRSHIESS.

OF WILLEY ROUGH PROMOTIVE PROMOTIVE STATES AND ALLY AND ALLY

PURE RYE WHISKEY

4 Full
Quarts

for \$ 3.20 Express Charges Prepaid

interest you.

We will send four full quart bottles of Hayner's Seven-Year-Old Double Copper Distilled RyeWhiskey for \$3.20, Express Prepaid. We ship in plain packages—no marks to indicate contents. When you get it and test it, if it is not satisfactory return it at our expense and we will

THE HAYNER DISTILLING CO. 226-232 W. Fifth St., St. Louis, Mc



Dietz Nos. 30 & 60 Search Lights.

These Lamps are just right for lighting the

inside of large barns or cattle sheds. One lamp will thoroughly light up a long row of animals. The lamps are strongly made, perfectly safe and very economical to use. They burn kerosene (coal oil), and very little of it considering the fine light they give. To introduce, we offer to send one

of either size, freight prepaid, at a reduced price, Send for Free Catalogue. R. E. Dietz Company, 92 Laight Street, Established 1860, New York.

Send for a strictly up-to-date BERKSHIRE

Boar or Sow worth the money. Write J. T. POLLARD, FULTON, MO.

GREAT COMBINATION

BERKSHIRE SALE!

TO BE HELD AT THE

New Kansas City Stock Yards Sale Pavilion,

KANSAS CITY, MO., FRIDAY, NOV. 23, 1900,

Commencing promptly at 10 o'clock a. m., under the management of the American Berkshire Association, 100 head of high class Berkshires will be sold to the highest bidder for cash. This offering consists of 60 boars and 40 sows. This sale will be made up from consignments from the herds of N. H. Gentry, June K. King, Manwaring Bros., W. W. Majors

and C. A. Stannard. Every animal consigned will be a good one. Parties that cannot attend the sale may send their bids to 'ol. Chas. F. Mills, of Springfield, Illinois, with assurance that they will be treated as fairly and carefully as if they were on the grounds to place them. For catalogues address

C. A. STANNARD, Emporia, Kansas.

Auctioneers-Col. F. M. Woods, J. W. Sparks, O. P. Updegraff.

PLEASANT HILL POLAND-CHINAS!

BERKSHIRE BOARS--A SNAPI By Royal King Lee 2d, 29183 by King Lee 27500; dam by Longfellow; dam of boars Auxvasse Sallie 48913 by McCues King 46102. Straight bred Sallies and a snap at the price. Call on or address,

M. B. GUTHRIE, Mexico, Me.

Bargains in Berkshires at Sunnyside. 100 HEAD to spare at reasonable prices. It bears ready for cervine. A nice lot of yearing sows 100 either open or bred. Silver Leced Wrandotte eggs for hatching at 11.00 per 15; also a few nice Cockerels for sale at \$1.00 each. We can suit you in price and quality. Owvine us at once also a few nice HARRIS & McMAHON, Lamine, Missouri.

Skabcura-Nicotine Sheep Dip CURES Seab and Ticks. Improves the wool. Packages at and M. Send for descriptive pamphi





The Markets

No. 3 white at 234,025c; No. 4 do at 2469

55c.

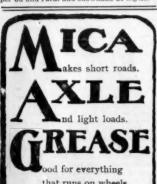
RYE—Lower to sell, with 45c the best bld for No. 2 del. E. side.

MILLFEED—Steady and quiet; small offerings and demand. Bran quotable E. trk at 44c for ordinary and 65 for choice in large and 65666c in small sks; 64695c in bulk. At mill, bran jobs at 85c.

HAY—Prices on trk range: Timothy, 313.59614 for choice; 812.59618.50 for No. 1; 31.59612.50 for No. 2; 810611 for No. 3; prairie, 8106.0150 for No. 1; 38.5069.56 for No. 2; 81067 for No. 2; 81067 for No. 3; 81

The	following table	s show the	range of
prices	in futures and Closed Saturday.	Range To-day.	Closed To-day.
Whea	t—		
Nov	70½ n		69% n
Dec	7014@70% b	70%@69%	69% b
May	741/4 a	74% @73%	73% b
Corn-			
Nov	35 n		35 n
	341/8 b	341/2@34	34
	351/a b	351/2@34%	34%
Onto			

Missouri and Illinoisclothing
and low
and clear mixed
tly burry
burry
fine
y fine as and Nebrasks Kansas and Nebraska—
Brighe medium
Dark and sandy
Fine medium
Light fine
Heavy fine
Texas, I. T. and Oklahoma—
Medium
Coarse and lowFine medium
Light fine
Heavy fine
Arkansas and Southern—
Medium (loose)
Burry
Burry .14 @16 .14 @154 .13 @14 .11 @12



ONIONE—Quote fancy red globs at 86

ONIONE—Quote fancy red globs at 86

In control of the contro

The control of the co

THE GALLOWAY SALE.

arber, Safferville, Kas. Lane, Paola, Kas.

son & Son

ry. Smith Center, Ka Holton, Kas..... arkham n, Kansas City, Mo

Vm. Dewees

S. Strump, Elwood, Mo...

V. M. McDannal, Girard, Kas...

F. Spangler, Smith Center, Kas.

S. Strump

Tulnd Bros., Arcola, Mo...

W. Stephens, Ladonia, Kas...

age yields of wheat, cats, corn and cotton (assumed) in the United States, together with the amount and value of the fertilizing ingredients removed by each crop. Nitrogen is valued at 12 cents, and phosphoric acid and potash at 4 cents per pound:

these facts in mind and plow under the vines in the early fall or when the land is not too dry, and these dangers will be averted. Unless the green crop is plowed

CHOP. .. 1 bale Value of fertilizer elements removed... \$.36 12 \$.48

It is thus shown that an average crop of cowpeas would supply all the nitrogen needed by a crop of wheat, oats and coton. It would cost more than \$11.04 per acre to supply the nitrogen in any other ways. The nitrogen in any other ways are to supply the nitrogen in any other ways.

\$10.33

\$1.40

of cowpeas would supply all the nitrogen a needed by a crop of wheat, oats and cotton. It would cost more than \$11.64 per ton. It would and can be cheaply supplied. In the case of the crops is comparatively small and can be cheaply supplied. In the case of the crops mentioned, this would amount to \$2.70. Thus these constituents could be supplied for three crops for the same cost as the nitrogen of one crop. As mentioned elsewhere, the use of Tennessee acid phosphate will likely be effective on soils rich in potash, and on heavy clays, lime may be used successfully. At well also be noted that the nitrogen of the pea crop would supply the needs of a corn crop of from 50 to 70 bushels per acre, including the stover.

WHEN TO PLOW UNDER.—It may be well at this juncture to call the attention of the farmer to the danger of plowing the stover.

WHEN TO PLOW UNDER.—It may be well at this juncture to call the attention of the farmer to the danger of plowing the stover.

WHEN TO PLOW UNDER.—It may be well at the summer. Owing to rapid ferremiation engendered at that time, does not take place, the rank growth of cowpea seed. Varieties grown in the far south and brought north will, in all probability, for several years make an framer and creepers are especially valuable for hay are the vines. The bush varieties if planted early in the season will great the soil inverted by the plow and the subsoil, breaking off the capillary action of the two soil layers. The result is the top soil will rapidly dry out, the cowpose will fired tanged the supplied for three crops for the same conditions, yield



Quickly and Permanently CURED



day inoney is received in the control of the contro

THE ONLY PURITYE CURE or Allies and Karcotte Brug Using Correspondence solicited and fidential. Address ure Dr. J. E. Blaine, Mgr & Physician, 2608 Locust St., St. Louis, No. WANT A MAN and WIFE

REBUILT MACHINERY

SCHOOLS AND COLLEGES.

CST.LOUIS RCIAL
OMMERCIAL
COLLEGE.

old Medal at **Paris**

ideal Feed Mills

The Apollo Turkish Baths 821 LOCUST ST., Opposite P. O., (ave been refitted, refurnished and are the best as city. Under a new management every effill be made to please customers. The very beampoors are employed. The beating room

GINSENG IN N. W. KANSAS.-A sub GINSENG IN N. W. KANSAS.—A sub-scriber wants to know if ginseng can be profitably grown in Northwest Kansas. We are disposed to call in question the adaptability of that region to ginseng cul-ture, aithough it is possible that by pro-viding suitable shade for the plantations and sufficient soil moisture by irrigation, the plant can be successfully and profit-ably grown. We will be glad to hear from ably grown. We will be glad to hear from who are exper

The Jack of all Trades made by Fair banks, Morse and Company is useful in one thousand and one ways. See advertisement, page 2.

FARMS FOR SALE or exchange in Ia., Neb Minn. or S. D. J. Mulhall, Sloux City.li

HAT BLEACH. Tou can bleach your old sun burned has so look like new at a cost of less than 4 ots. Send 30 conts for package of "JAVELLA" containing enough to bleach seven nats. Address WHITE BLEACH CO., Sedalia, Mo.

